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APPLE FAMILY
USERS GROUP

OFFICIAL APPLE USERS GROUP

DESERT DIALOGUE

VOLUME 60 • SEPTEMBER/OCTOBER 1989

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Showoff

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New Products

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AppleWorks Tips

Apple Talk

Nevada Day
125th
Birthday
October 31, 1989

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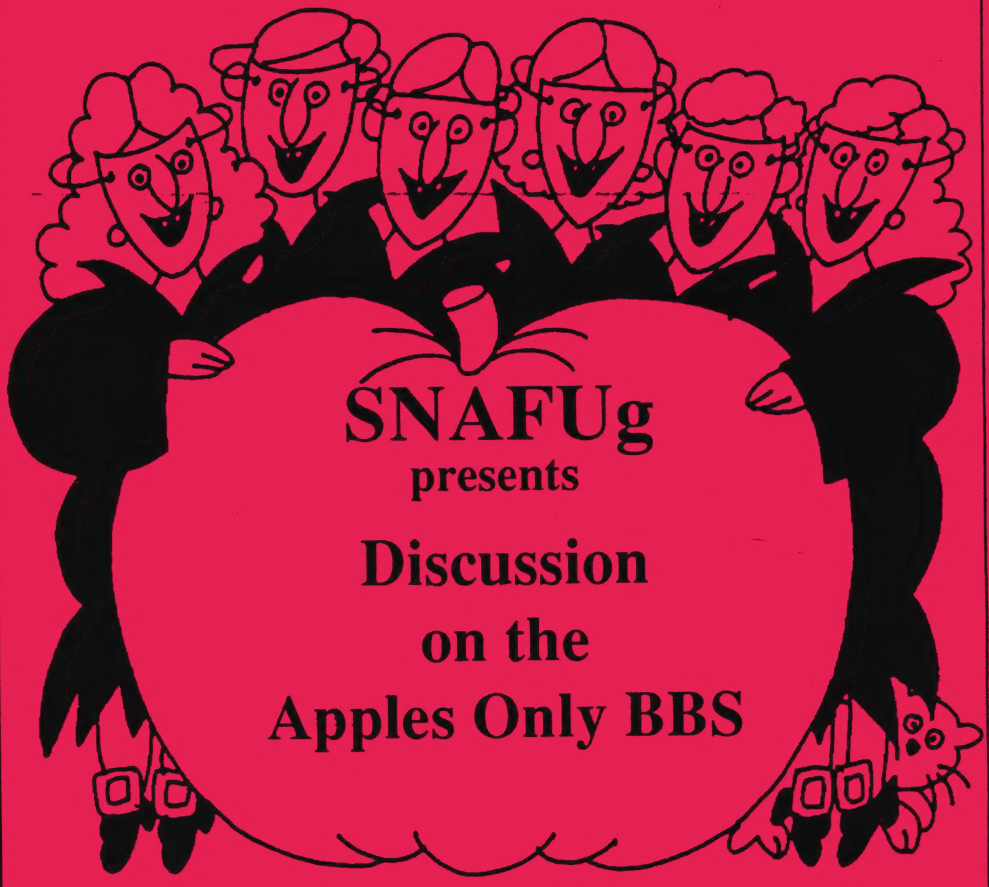

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Happy Halloween

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Desert Dialogue Published by:SNAFUg
SOUTHERN NEVADA APPLE FAMILY USERS GROUP
5000 EAST BONANZA • BOX 8551 • LAS VEGAS, NV 89110-3514

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DEADLINE: The Friday following the meeting. Articles may be submitted by mail or via The SNAFUg Apples Only BBS. Address all contributions to: Newsletter Editor.

Newletter production by Dawn Wilson, with John & Ellen Leveritt of JONELL Graphic Creations.

From the President

by
Richard Craft,

THE HOLE STORY

It was December 23rd, 1988, just two days before Christmas when tragedy struck Barbara Hole. Bobbie, as everyone calls her, at the age of 62, suffered a stroke that virtually left her incapable of reading, writing or speaking. Three weeks of hospitalization were followed by six weeks of occupational, physical and speech therapy. Although her right arm and leg are paralyzed, Bobbie can still move about in a wheelchair. But it is her basic skills of communication that are all but gone. Like a child learning for the first time, Bobbie has to begin from square one, starting with the alphabet and 1,2,3.

It was in February, 1989 that her husband, Wilson was watching a CBS news report about the Belridge School District's DACOTT 21/20 project. DACOTT (District And Community Of Tomorrow Today) is "a prototype community of learners" in which 87 students (kindergarten through 8th grade) and their teachers were provided with Apple computers. The project's goal is to make computer technology a transparent tool, much as desks, books and pencils are now. I'll give a detailed account of DACOTT in a future column. Regarding computers as a viable alternative to teaching Bobbie some basic skills, Wilson contacted Dr. Gary Peterson, superintendent of the Belridge School District. Dr. Peterson in turn arranged to have Apple donate an Apple IIGS and an Imagewriter II printer to the couple. Some software, an Echo speech system and a modem were donated by the school district. The next step was to contact the Nevada Technology Center (NTC) and let them evaluate Bobbie. NTC made some recommendations such as a communication board, flash cards with pictures and corresponding words and a talking word processing program. Since NTC is more of a walk-in facility and funds are rather limited, Wilson decided that Bobbie could learn at home on the GS. The physical struggle of transporting Bobbie around is a limitation that Wilson has to cope. He thought it best that Bobbie remain in their mobile home in front of the GS and practice at her leisure. The Belridge School District is located in McKittrick, California near Bakersfield. Dr. Peterson, wishing to remain in contact with the Holes in Las Vegas, contacted me to see what SNAFUg could offer in the way of assistance and public domain software. I introduced myself to the Holes and found that although Bobbie is enthusiastic about learning, she has really only been using one program. Wilson's very limited knowledge of computers has slowed the learning process down to what he can handle and then pass on to Bobbie. I offered SNAFUg's resources of people willing to teach basic computer skills and some Sticky Bear programs that my kids are growing up with.

At the present, Bobbie is using Sticky Bear Alphabet, Counting, Shapes and Opposites. While it's sad to note that Bobbie used to be an avid reader, sometimes reading two to three books a day, it can be said that modern technology is taking a step in the positive direction in re-educating a person with that desire to learn. If you think you can spare a little of your time or maybe donate some of those old educational programs to the Holes, please contact me via phone or through the club's mailing address.

MEDIAGENIC

After an hour delay on the ground in Chicago, Blair Garber, ambassador for Mediagenic, flew into Las Vegas to make a presentation of Macintosh software. Bringing his own SE, Blair showed us "Focal Point II", a time management software package that takes advantage of HyperCard's interface. In fact, all the packages demonstrated used HyperCard as a supporting platform. The trend-setting games "Manhole" and its sequel, "Cosmic Osmos" require HyperCard. Game is rather a loose term applied to these packages. More like a non-violent, carefree journey through the imagination, the software allows one to travel about at his or her own pace making often absurd discoveries.

SNAFUg wishes to thank Blair and Mediagenic for donating the above-mentioned software and also three packages for the Apple II line - Paintworks Gold, Neuromancer and Rampage.

LIVE DEMONSTRATION OF APPLES ONLY BBS

Barring any technical difficulties, we will have the club's Apples Only BBS live and in person at October's meeting. If you've always wondered what you were logging into, come take a look for yourself. If you're interested in entering the fascinating world of telecommunications, bring yourself and a friend and we'll help get you started. Make plans to be at the Sunrise Library, Saturday, October 14th at 12 noon.

8 HOURS VERSUS 30 MINUTES

Just recently I set about to network a PC/AT clone to my office's LocalTalk network. The two basic functions I wanted was to print to the LaserWriter and to share files with the other networked Macintoshes. We purchased Apple's LocalTalk card for the PC which came with AppleShare PC. The hardware installation was no problem. With minimal effort, I had the machine recognizing that it was on a network. To print to the LaserWriter was another story. It took me almost the whole day to install the software, rewrite the AUTOEXEC.BAT file and the CONFIG.SYS file. THEN I had to reconfigure the applications that output to the laser printer. Windows with Excel, Word and WordPerfect all had to have Postscript drivers added to allow printing to the LaserWriter.

Contrast this with the next day when I went to put a new Macintosh on-line. In less than thirty minutes I had the Mac SE/30 printing to the LaserWriter, sharing files with the other Macs AND communicating at 9600 bps to our VAXes. Admittedly, it was my first time configuring an AT clone to the network. My previous experience was with our PS/2 Model 50's and their microchannel slots. They used a completely different network interface card and software.

As much as some people complain about Apple, you've got to respect their forethought. I find it a blessing that networking capability is built in. Literally, just plug and go and you're up and running in no time.

How to replace a //gs battery for less than $10.00!

Well folks my //gs started to mess up about two weeks ago and I went nuts trying to figure out what was the cause. The control panel cleared to the defaults and the clock time was all off, Appleworks would not load and so on.....

After I figured it must be the battery as it has a life of about 2+ years and as my //gs is going on 3 years old it was about time....

I called my friend at the local Computerland and had him order a battery. Part number he used was APPL-7420007 (not sure if this is Apple's # or Computerlands). Cost to me was $8.40 plus tax ($8.92 in my hand!). Now off to the house to get out my trusty soddering iron and a couple of brews. (My computerland offered to do the swap out for $15.00-$20.00 in labor). I disconnected the power and all the cables. Took out all the cards and the power supply (it only has two quick disconnect plugs so is easy to remove).

Now the next question was how to get at the battery. There are two ways to do this and I prefer to remove the motherboard vs sodering with the mother board in the casing. In the front of the computer there is a "foot" and this covering must be removed. If you turn over the computer you will see 3 hook like snaps. Just use a screwdriver and gently force one of the side ones backwards and so on with the other two. This will free up the "foot". You will also see about 8 snaps holding the mother board in place. Gently move them backwards while lifting up on the motherboard from the front. This ought to free up the motherboard.

Next step is to get a pair of side cutters out and cut the legs off the battery mounted to the motherboard, leaving the stubs or legs still soddered to the mother board. Be sure to note which end is (+) or (-). I then trimmmed up the stubs sticking out of the motherboard to be about 1/4" long. Be sure to not trim 'em off too short. I then trimmed and bent the legs on the battery to mate with these stubs. I guess you could unsodder them from the motherboard but this way is faster and a bit neater. Now all you do is sodder the legs fron this new battery to the legs from the old battery. Be sure to use a bit of flux and rosin core sodder. (NO ACID CORE)

(WATCH the POLARITY (+) and (-) to be sure the new battery is installed in the correct direction)

Reverse the disassembly procedure and you are done. If the battery goes out again just unsodder this "new" battery from the old legs and install a new one. This whole process took me about 15 min and saved at least $20.00. Total cost was $8.92 and a bit of sodder and a couple of brews...

Reboot the system, reset your control panel and all should be ok for another 2+ years.

Remember you don't have to swap out the motherboard, pay an outragous price for the new battery or buy a new computer. If I can do it anybody that can use a simple soddering iron/gun can do it in a few minutes without actually having to sodder directly on the motherboard. (You are sodering to "legs" sticking out of the motherboard)

This is published as a public service and it can be reused in any publication. Just give credit to our local Apple users group! Sedalia Apple Users Group, 2316 West 5th Street, Sedalia, ~~Mo 65301~~.

Thanks.... Apple][forever!!

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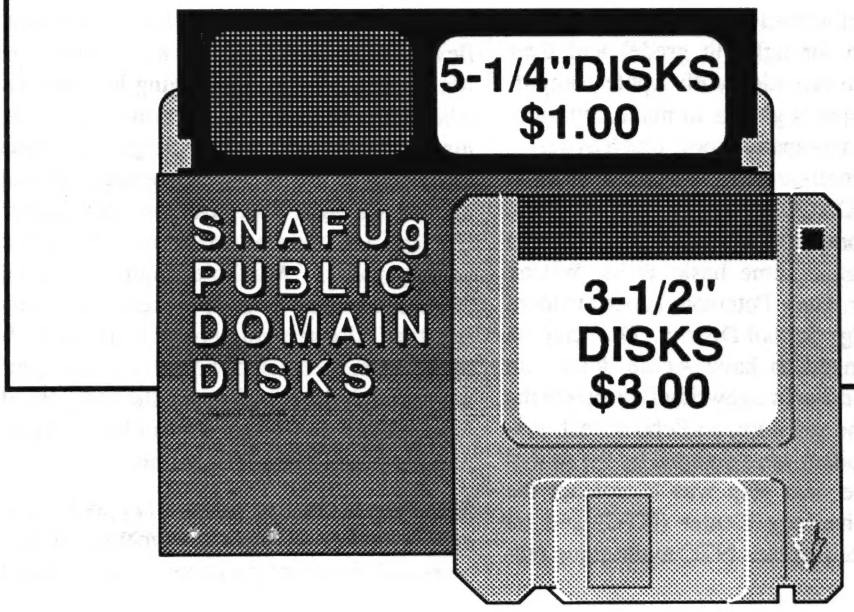

Showoff Review

By
Renee Egan

Well, first of all I would like to say that I really don't mind the new policy of writing a review on any software packages that are won in the raffles. I myself have never written one before, but I guess the old saying still holds true, "There's a first time for everything".

I won ShowOff and ShowOff Graphics Collection, which I thought would be great since in my job I sometimes find myself teaching and I usually have to make all my slides by hand. So when I got home I started working through the tutorial included with the package. My first disappointment came on Page 15, when the tutorial told me to load a background picture from the ShowOff Slide Show disk. I didn't have a Slide Show disk. Well, I guess that's how my luck runs, I only won half a package! So, I loaded a background picture from the ShowOff Graphics Collection, which worked just fine until I tried to add an icon to the slide. My II GS came back with a message telling me that there was not enough memory to do that. Now, both ShowOff packages had 512K required printed on the front of the packages and my computer is supposed to have 512K. So, why doesn't it work.

Now, don't get me wrong, even though I am very disappointed with this package right now, I don't intend to give up. I am upgrading my II GS to 1 Meg, very soon (when the package arrives in the mail) and I am hoping to be able to get the disk that is supposed to be in the package. When I get the other disk, I will be more than happy to write a real review on this package. I really like some of the features in this program, such as the icon editor.

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From the Treasurer

by
Ed Bruggenwirth
and
Dawn Wilson

The SNAFUg account is doing as well as can be expected for this time of the year. As of September 12, 1989, we have an account balance of $671.84. This summer has really taken a toll on the account as we purchased the hard drive and other equipment for the Apples Only BBS. Also, people have let their memberships expire throughout the summer. So, if your membership has expired, or is about to, be sure to pay your dues. There are several advantages to keeping your SNAFUg membership current. Also, we have decided to raise the due rates by five dollars as of January 1990 with the option to current members to be able to prepay their dues.

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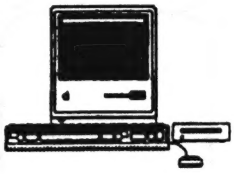

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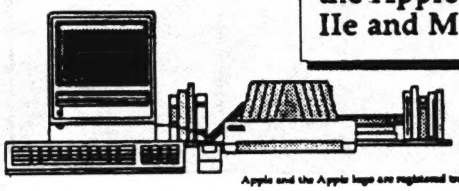

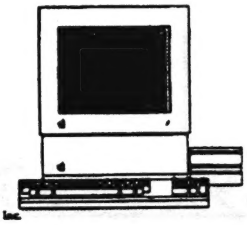

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APPLE FAMILY USERS GROUP

Calendar of Events

October 1989

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	Yom Kippur Columbus Day 9	10	11	12	13	Monthly Meeting 12:00pm 14
15	16	17	18	19	20	Newsletter Deadline 21
22	23	24	25	26	27	28
29	30	Nevada Day Halloween 31				

From the Editor

By

Dawn Wilson

I hope that you have enjoyed reading the last few months issues of the newsletter as much as we have enjoyed putting them together. I would like to get some feedback from the group as far as the newsletter goes; so, if you would please take a couple of minutes and answer the following questions and then give your answers to any officer or e-mail on the Apples Only BBS to Dawn Wilson, #35, we would really appreciate it.

Do you like the format of the newsletter?
Is there something you would like to see in the newsletter?
Is there something you would not like to see in the newsletter?
Do you feel there is a balance between Macintosh and Apple II articles?
Do you find the newsletter easy to read and understand?

Thanks for spending the time to answer the questions and let us know what you think about the newsletter.

If you do have any comments or questions, please feel free to give me a call or leave me e-mail.

USER GROUP

CONNECTION

LOGO CONTEST GOES UNTIL OCTOBER

by Dawn Wilson

Southern Nevada Apple Family Users group (SNAFUg) needs a logo. The logo contest was suppose to end in August, however, many people asked if the deadline could be extended so they could enter. Thus, the logo contest will go until the October meeting. Get your entries in soon! Entries can be given to any SNAFUg Officer or brought to the October meeting at which time the members will vote on the new SNAFUg logo.

HELP LIST

BELOW IS A LIST OF CLUB MEMBERS WHO MAY BE ABLE TO HELP YOU WITH CERTAIN SOFTWARE OR HARDWARE PROBLEMS. ***SHOULD YOUR NAME APPEAR HERE?*** IS THERE A CERTAIN PROGRAM THAT YOU USE ALL THE TIME? IS THERE SOME HARDWARE THAT YOU ARE VERY FAMILIAR WITH? JUST SEND YOUR NAME, TELEPHONE NUMBER, AND THE SOFTWARE OR HARDWARE THAT YOU ARE FAMILIAR WITH TO THE EDITOR. PLEASE NOTE THAT TELEPHONE CALLS SHOULD NOT BE MADE AFTER 9:00 P.M.

APPLE II

Richard Craft.....AppleWorksClassic, ProTERM. 388-1051

Larry Mann .....Apple II+. 646-2006

Dennis McKowan ....ProTERM, Apples Only BBS. 732-1097

MACINTOSH

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Apple Computer, Inc. • April 1989

John Sculley — Chairman, President, and CEO

John Sculley joined Apple Computer, Inc. as president and chief executive officer in April 1983, and was elected chairman of the board in January 1986. Sculley led Apple through a reorganization and repositioning from a home computer/education company to a business/education personal computer corporation. In calendar 1987, Apple's 10th anniversary year, worldwide revenue reached $3 billion, and the company achieved number 152 on Fortune Magazine's list of the nation's 500 largest corporations. Prior to joining Apple, Sculley was the president and chief executive officer of Pepsi-Cola Company for five years. During that time he led Pepsi to the top market share position in the United States, as measured by the A.C. Nielsen Company. He is a frequent guest on network television and radio, speaking on technology, education and preparing America for the 21st century. Sculley graduated from Brown University in 1961 where he studied architectural design, and earned a master's degree in business administration in 1963 from the Wharton Business School. He also received an honorary doctorate from the University of Rhode Island.

Jean-Louis Gassée — President, Apple Products

Jean-Louis Gassée joined Apple Computer in February, 1981. In his position as president of Apple Products, he is responsible for leading the Product Marketing, Worldwide Manufacturing, and Research and Development groups. Previously, Gassée was senior vice president of Research, Development, and Product Marketing. Gassée was also the founding general manager for Apple Computer France, SARL. Before that, he was president and general manager of the French subsidiary of Exxon Office Systems, and also spent six years at Hewlett-Packard. A graduate of the Faculty of Sciences, a math and physics university in Orsay, France, Gassée holds a master of science degree.

Allan Z. Loren — President, Apple USA

Allan Z. Loren, president of Apple USA, provides strategic and operational direction for all of Apple's domestic sales and marketing functions and the company's information system, customer satisfaction, and system integration efforts. Loren came to Apple after 16 years at the CIGNA corporation, where he held a number of senior executive positions. He served as president of CIGNA systems, CIGNA'S information systems group, and president of CIGNA Services, the information giant's administrative arm. Acknowledged as an industry leader—especially in system integration and information system solutions—Loren has also held executive positions with Computer Performance Associates, Leasco Processing, and the National Institute of Health in Washington, D.C. Loren is a graduate of Queens College, New York, holding a bachelor's degree in mathematics.

Continued on Next Page

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Management Team Continued

Michael H. Spindler — President, Apple Europe
Michael H. Spindler is responsible for strategic development and overall business operations including sales, marketing, research, development, strategic investments and operations for the European region. Spindler joined Apple in 1980 as marketing manager for Apple's European operations. Subsequently, he was named general manager of Apple's European marketing and sales operations. In 1985 he was named vice president, international sales and marketing, and later senior vice president, international operations. Most recently he was senior vice president of Apple Europe. Before joining Apple, Spindler was European marketing manager for Intel Corporation and also held positions at Digital Equipment Corporation, Schlumberger Ltd., and Siemens AG. A graduate of Rheinische Fachhochschule, Spindler holds a master of science degree in engineering.

Delbert W. Yocam — President, Apple Pacific
Delbert W. Yocam is president of Apple Pacific. In this role, he responsible for strengthening Apple's established markets in Canada, Australia, and Japan, while investigating emerging markets in the Pacific region and Latin America. Prior to this he was executive vice president and chief operating officer of Apple. Previously, Yocam held the position of executive vice president and group executive of product operations where he was responsible for advanced technology, product development, worldwide manufacturing, distribution, and service. He has also been general manager of the Apple II group, which developed, engineered, manufactured, and marketed all Apple II products. Prior to joining Apple, Yocam held management positions with Fairchild Camera and Instrument Corporation, ITT's Canon Electric Division, Computer Automation, and Ford Motor Company. Yocam holds a bachelor's degree in business administration from California State University at Fullerton and a master's in business administration from California State University at Long Beach.

David J. Barram — Vice President, Corporate Affairs
David J. Barram, vice president of corporate affairs, is responsible for overseeing Apple's involvement in community relations and government affairs. He joined Apple Computer in April 1985 as vice president and chief financial officer. Before coming to Apple, Barram served as CFO and vice president of finance and administration at Silicon Graphics, Inc., Previously he was employed at Hewlett-Packard, where he was controller of the computer products group and also held finance and marketing positions. Barram holds a bachelor's degree in economics and political science from Wheaton College, and a master's in business administration from the University of Santa Clara.

Randy Battat — Vice President, Product Marketing
As vice president of product marketing, Randy Battat is responsible for driving Apple's product strategies and communicating Apple's advantages to third-party developers, dealers and end users. The product marketing group comprises all product management, product marketing, developer services, technical documentation, and user manual functions. Since joining Apple in April 1981, Battat has held a number of product management positions. Most recently, he was director of Product Planning and Evangelism—managing both product planning and relationships with third party developers. Battat holds a bachelor of science degree in electrical engineering from Stanford University.

Deborah Biondolillo — Vice President, Human Resources, Apple U.S.A.
As vice president of human resources for Apple U.S.A., Deborah Biondolillo is responsible for overseeing all U.S. human resource operations for Apple U.S.A. Previously, Biondolillo was director of human resource operations which included all domestic operations plus worldwide manufacturing operations. Before that she was HR manager for Apple U.S.A. Sales & Marketing. Prior to joining Apple in March 1982, Biondolillo was HR representative at Intel and supported their California fabrication operations. Prior to Intel, Biondolillo was HR manager for Electronic Arrays. Biondolillo holds a bachelor of arts degree in education from the University of North Carolina at Chapel Hill.

Edward W. Birss — Vice President, Product Engineering
As vice president of product engineering, Edward W. Birss is responsible for CPUs, system software, peripherals, product design activities, software quality assurance and international research and development. Since joining Apple in October 1980, Birss has held positions in advanced technology and was director of software engineering. Before coming to Apple, Birss spent three years at Hewlett-Packard; he has also worked as a computer scientist at Lawrence Livermore Laboratories. Birss holds a bachelor of science degree in electrical engineering and a master of science in computer information control and engineering from the University of Michigan.

James J. Buckley — Vice President and General Mgr., Central Operations
James J. Buckley is responsible for overseeing sales, marketing, service, and support for the central region. Buckley has also held positions as the north central area sales director, and director of education sales. Before joining Apple in May 1985, he was manager of international large account marketing for Exxon office systems, and spent almost 10 years in the office systems division of Xerox Corporation. Buckley holds a bachelor's degree in economics from Iona College in New Rochelle, New York.

Donald P. Casey — Vice President, Networking and Communications
Donald P. Casey is responsible for directing all of Apple's data communications research, development, and product marketing efforts. Prior to Apple, Casey spent 21 years at IBM Corporation where he was most recently vice president of Communication Hardware Development in the Communication Products division. Prior to this role, Casey was vice president of Communication Software, responsible for communications and network management software. He also held a number of senior positions in IBM's Systems Product division. Casey has a bachelor of science degree from St. Francis College in Brooklyn, New York.

Continued on Next Page

Management Team Continued

Phil Chauveau — Vice President, General European Area
Phil Chauveau is responsible oversees the General European Area which encompasses the United Kingdom, Italy, Holland, Belgium, Spain, Austria, Ireland, Switzerland, as well as Africa, the Mediterranean and the Middle East. Chauveau joined Apple in June 1983 as general manager for all European countries outside France, UK, Germany, and Italy, later renamed General European Area (GEA). Prior to joining Apple, Chauveau was with ITT-Europe for ten years in Brussels, the last five years as President of ITT Cannon-Europe. He was previously European Director of Marketing for Formica International in London, and held marketing positions at Proctor and Gamble both in Europe and the U.S. Chauveau has an honors degree in economics from Trinity College in Dublin, Ireland.

William B. Coldrick — Senior Vice President, U. S. Sales
As senior vice president, U.S. Sales, William B. Coldrick is responsible for leading all sales, support and service activities for Apple products throughout Apple USA. Coldrick also manages all of Apple's field organizations. Since joining Apple in April 1982, he has held the positions of vice president and general manager for western operations, director of U.S. field sales and sales director of the northeast area. Prior to Apple, Coldrick spent 12 years with Honeywell Information Systems, where he held a number of positions including regional marketing director. He is a graduate of Iona College in New Rochelle, New York, with a bachelor's degree in marketing.

Deborah A. Coleman — Vice President
As vice president of Apple Computer, Inc., Deborah A. Coleman is responsible for tax and treasury functions. Since joining Apple in 1981, she has held various positions, including vice president of operations, director of worldwide manufacturing, and controller of the Macintosh division. Most recently she was vice president of finance and chief financial officer. Before coming to Apple, she spent three years at Hewlett-Packard. Coleman holds a bachelor's degree from Brown University and a master's degree in business administration from Stanford University.

Michael L. Dionne - Vice President and General Mgr., Southwestern Operations
As vice president of southern operations Michael L. Dionne oversees sales, marketing, service, and distribution for the southern region. Previously, Dionne was director of sales operations for the Eastern Operations area. Before that he directed sales activities for the Northeast region as area sales director. Prior to joining Apple in May 1983, Dionne held various positions in the Office Systems Division at Xerox Corp. He holds a bachelor of science degree in business administration form Bryant College in Rhode Island.

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Daniel L. Eilers — Vice President, Strategic Investments
Daniel L. Eilers joined Apple Computer in 1982. He is presently responsible for Apple's strategic investment activity, including venture capital investments and corporate acquisitions. Before being named vice president, he was director of strategic investments. Eilers came to Apple as applications software product manager for the Lisa computer, and served as Apple's assistant treasurer from 1984 through 1985. Before joining Apple, Eilers was a news reporter and broadcast anchor. He earned a bachelor's degree in economics from the University of Washington and a master's in business administration from Stanford University.

Albert A. Eisenstat — Secretary and Sr. Vice President, Corporate Development
As senior vice president, corporate development, Albert A. Eisenstat is responsible for overseeing Apple's corporate staff including corporate affairs, legal, and strategic investments. Eisenstat joined Apple in 1980 as vice president, general counsel and secretary. Previously he held positions at Bradford National Corporation, a large national financial transaction processing company, and at Tymshare Inc., a national computer timesharing company. In addition, he was cofounder of United Data Centers, Inc. and spent six years in the professional partnership of Bard & Eisenstat. A graduate of the Wharton School of Finance of the University of Pennsylvania, Eisenstat holds a bachelor of science degree in economics and a bachelor of laws degree from the New York University School of Law.

David Hancock — Sr. Vice President, U.S. Marketing
As president of marketing, Apple USA, David Hancock is responsible for leading Apple's marketing and marketing communications organizations. Hancock joined Apple in 1984 and has held the positions of Vice President and General Manager, Apple Pacific and prior to that, General Manager of Apple UK Ltd. While general manager of that group, he built a successful organization in the UK by doubling revenues in two years and tripling revenues in three years. He implemented programs such as Apple Centres and built alliances with DEC systems integrators for DEC/Macintosh connectivity. Before joining Apple, Hancock spent eleven years in management positions with the Gillette Company in the UK.

Jerry P. Malec — Vice President and General Mgr., Southern Operations
Jerry P. Malec joined Apple in January 1988 as vice president and general manager of Central operations. Following that he was vice president, Business Markets. In his current position as vice president and general manager of Southern Operations Malec oversees sales, marketing, service, and distribution for the southern region. He came to Apple from Cullinet Software, Inc., where he managed the sales and support organization for the company's southern

Continued on Next Page

Management Team Continued

operations. Prior to that he spent 17 years with IBM, during which he held various sales and marketing positions. Malec holds a bachelor of science degree in economics from Wayne State University in Detroit and a master's in business administration from the University of Michigan.

Kenneth R. Ratcliffe — Vice President, Finance, Apple U.S.A.
As vice president, Finance, Apple USA, Ken Ratcliffe is responsible for accounting, financial planning and financial reporting for the US. Prior to this he was vice president and corporate controller of Apple. Before joining Apple in 1987, Ratcliffe served as the European Controller for Data General based in Paris where he was responsible for all financial activities in Europe, Africa, and the Middle East. Previously, Ratcliffe had a 12-year career at Digital Equipment Corporation, where he held various financial management positions. Ratcliffe holds a bachelor of science degree in business administration from Lowell University in Massachusetts and a master's in business administration from Babson College in Massachusetts.

Ralph Russo — Vice President, Worldwide Operations
As Vice President of Worldwide Operations, Ralph Russo is responsible for manufacturing, operations, service, procurement, and international distribution at Apple Computer. Since joining Apple in 1984, he has been director of international operations and director of worldwide materials. Prior to Apple, Russo held various positions at Digital Equipment Corporation, including site procurement manager and business manager of the Mass Storage Division. He is a graduate of Rutgers University and holds master's degrees in history and business.

Robert W. Saltmarsh, Treasurer
Robert W. Saltmarsh, Treasurer, joined Apple in November 1982. Prior to that, he spent seven years at Data General Corporation of Westboro, Massachusetts. He has held various financial positions, including spending three years as European treasury manager in Paris. He received a bachelor of Science degree in economics from the University of Michigan, and following two years with Burroughs Corporation, he received his master's in business administration from the University of Michigan.

Kevin Sullivan — Vice President, Human Resources
Kevin Sullivan is responsible for all of Apple's human resource functions worldwide, including employee relations, compensation, benefits, staffing, employee communications, and employee training. Before joining Apple in March 1987, Sullivan spent 13 years with Digital Equipment Corporation in a variety of senior personnel management positions and was responsible for domestic and international HR activities. He holds a bachelor's degree in political science from Columbia University and a master's degree from Wesleyan University in Middletown, Connecticut.

Lawrence G. Tesler — Vice President, Advanced Technology
Lawrence G. Tesler is responsible for investigating technologies, architectures, and standards that will be of value to Apple in future product development. Since joining Apple in 1980, Tesler has held the positions of director of advanced development, manager of object-oriented systems, and section manager of applications software for the Lisa computer. Before that, he was a member of the research staff at Xerox Palo Alto Research Center. He has also been a researcher at Stanford University's Artificial Intelligence Laboratories and president of Information Processing Corporation. A Stanford graduate, Tesler holds a bachelor of science degree in mathematics.

Giancarlo Zanni — Vice President and General Manager, Apple France
As vice president and general manager of Apple France, GianCarlo Zanni is responsible for overseeing Apple's largest market in Europe. Prior to joining Apple in June 1988, Zanni served as International Sales Manager for Thomson Semiconductors, assuming responsibility for sales, strategic marketing, applications research, and communications. After the merger of Thomson Semiconductors with SGS, Zanni was appointed European General Manager for SGS-Thomson Microelectronic. Prior to that, Zanni worked in the electronics and information industries. He held several positions with Texas Instruments in the area of semiconductors, microcomputers and administration. Zanni holds degrees in engineering and telecommunications.

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General Partner, Venrock Associates
Venture capital investments

Albert A. Eisenstat
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Apple Computer, Inc.

A.C. Markkula, Jr.
Chairman, ACM Aviation, Inc.
Private flight service

Arthur Rock
Principal, Arthur Rock & Co.
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New Products

Start-up Apple "Whiz-Kids" Build New Macintosh-IBM Connectivity Bridge; Expand Diskette Capacity to 2.4 Mbytes.

CAMPBELL, Calif. — Kennect Technology today introduced two new products: Drive 2.4, a new external drive, and Rapport , a companion plug-on microprocessor and drive controller for Macintosh 512e, Plus, and SE computers. Kennect Technology's new Rapport is a small, mouse-sized module that plugs into the external drive port of a Macintosh computer. Once installed, Rapport allows users to read MS-DOS files from 720K, 3.5" diskettes easily and quickly with their existing internal drives. Apple 800K external drive users can read and write both Macintosh and MS-DOS formats. Additionally, Rapport can expand the capacity of external Apple 800K floppy drives to 1.2 Megabytes. Expansion is achieved by utilizing the principle of uniform data density packing. Adding Kennect's new Drive 2.4 to Rapport provides an estimated 1.7 million Macintosh 512e, Plus, and SE users with the ability to read, write, and format to all current IBM and Apple 3.5" standards, including Macintosh IIx and IBM PS/2.

In addition, Kennect's new product combination offers two very high density formats that furnish 1.2 Megabytes of user space on standard media and 2.4 Megabytes on high density media. Kennect's Rapport and Drive 2.4 are available directly from the manufacturer or from Softsel Computer Products, Inglewood, CA. Suggested list price (US) for Rapport is $295, for Drive 2.4, $495. Both products will be available February 1, 1989. Kennect Technology is the newly formed marketing arm of The Engineering Department, Inc. The Engineering Department, Inc. was founded in 1985 by four of Apple Computer's six original engineers. Kennect's performance standards meet or exceed those established for Macintosh products.

Rapport is a tradename of Kennect Technology.
Macintosh and Apple are registered trademarks of Apple Computer, Inc.
MS-DOS is a registered trademark of Microsoft, Inc.

Announceing High Capacity Drive
Kennect Technology announces high capacity floppy drive for 68030 based Macintosh computers. Kennect Technology Adds Driver

Drive 2.4 Now Compatible with Macintosh IIcx and SE/30

Debut Set for MacWorld Expo - Boston

LOS GATOS, California — August 3, 1989 — Kennect Technology today announced an additional software driver which allows Drive 2.4(tm) to directly connect with the Macintosh(tm) IIcx and SE/30. This driver joins Kennect Technology's Rapport(tm) , which adapts the Macintosh SE, Plus and 512e for use with Drive 2.4. Both of these products have been shipping since February. Drive 2.4 enables users to read, write and initialize all current IBM and Macintosh 3.5" standards, plus two very high density formats that furnish 1.2 Megabytes of user space on standard media and 2.4 Megabytes on high density media. Drive 2.4 allows users flexibility of formatting via a "Dialogue Box", which permits initializing any combination of volume size and file system. This single external diskette drive reads, writes, and formats MS-DOS , ProDOS and Macintosh HFS, utilizing the Apple File Exchange utility, Dataviz translators, or Dayna DOS Mounter . The 2.4 Megabyte capacity on high density media permits "Backing Up" or "Storage" on a fraction of the current number of diskettes. FASTBACK II, now "bundled" with Drive 2.4, gives the user the ability to place 3 - 5 Megabytes of "Hard Disk Backup" on a single high density diskette. The user, for example, can back up a 20Mb hard disk on 4 6 diskettes ! Drive 2.4 is available from Kennect dealers worldwide. Dealers may contact Softsel Computer Products or Kennect's network of 16 Manufacturers Representative firms. Suggested list price (US) for Drive 2.4 for Macintosh IIcx and SE/30 is $495. The new software driver will be available in September. Kennect Technology is the marketing division of The Engineering Department, Inc. The Engineering Department, Inc. was founded in 1985 by three of Apple Computer's six original engineers.

Rapport and Drive 2.4 are tradenames of Kennect Technology..
Macintosh and ProDOS are registered trademarks of Apple Computer, Inc.
MS-DOS is a registered trademark of Microsoft, Inc.
FASTBACK II is a registered trademark of Fifth Generation Systems, Inc.
DOS Mounter is a registered trademark of Dayna Communications, Inc.
All other product names are trademarks or registered trademarks of their respective holders.

FASTBACK II BUNDLES WITH KENNECT TECHNOLOGY'S DRIVE 2.4
Combination Cuts Expands Diskette Storage 500%

In a joint release Fifth Generation Systems, Inc. and Kennect Technology, today announced the bundling of Fastback II software with each Drive 2.4 for Macintosh computers purchased from Kennect Technology.

Drive 2.4 enables users to read, write and initialize all current IBM and Macintosh 3.5" diskette standards, plus two very high density formats that furnish 1.2 Megabytes of user space on standard media and 2.4 Megabytes on high density media. Using Fastback II data compression with Drive 2.4 allows the user to place 3 to 5 Megabytes of backup data on a single high density diskette. For example, backing up a 20 Megabyte hard disk in Fastback II's Save Disks mode, would only use 4 to 6 diskettes. Of course, the amount of compression would depend on the type of data being backed up.

"Fastback II is Hot!" stated Dick Huston, Chief of Software Development for Kennect Technology. "Drive 2.4 and Fastback II is the safe, simple and convenient backup solution."

Continued on Next Page

New Products Continued

Kim Bellue, Macintosh Products Manager for Fifth Generation Systems, call the bundle "a viable alternative to tape backup, because of the combined speed and data compression abilities of Drive 2.4 and Fastback II. In tandem, the two products provide up to five times the data compression of a normal diskette, with twice the speed." She also stated, "We are pleased to be able to work closely with Kennect Technology during the development of Fastback II to provide compatability between our two products."

The new Fastback II addresses the power requirements of advanced users combined with an easy-to-use, clean interface that takes the drudgery out of backup. Fastback II backs up an honest megabyte per minute. Although the program has always been fast, now Fifth Generation has added power of data compression, a complete macro control language with a scheduling facility to automate even the most complex backup schedule, and support for any HFS device.

Drive 2.4 also allows users flexibility of formatting via a Dialogue Box, which permits initializing any combination of volume size and file system. This single external diskette drive reads, writes and formats MS-DOS, ProDOS and Macintosh HFS, utilizing the Apple File Exchange utility, Dataviz translators or Dayna DOS Mounter.

Kennect Technology is the marketing division of The Engineering Department, Inc., which was founded in 1985 by three of Apple Computer's six original engineers.

Incorporated in 1985, Fifth Generation Systems, Inc. is a leading manufacturer of a family of utility products for IBM and Macintosh computers. Fifth Generation's products include Suitcase II, Powerstation and Pyro! utility software for the Macintosh and The Logical Connection, an intelligent peripheral sharing device for IBM Compatibles and Macintosh computers.

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Price:
Drive 2.4 is available from Kennect dealers worldwide. Dealers may contact Softsel Computer Products or Kennect's network of 16 Manufacturers' Representative firms. Suggested list price (US) for Drive 2.4 for the Macintosh IIcx, SE/30, SE,II,IIx, Plus and 512e is $495.00; Rapport required for the Macintosh SE,II,IIx, Plus and 512e is $295.00.

For more information contact:

Julie Knight or Ramona Rice Kennect Technology 408-370-2866 or 800-552-1232 GEnie: R.LASHLEY1

Cheryl Ploegstra Fifth Generation Systems 504-291-7221 800-873-4384

Drive 2.4 is a tradename of Kennect Technology. Fastback II is a registered trademark of Fifth Generation Systems, Inc. Macintosh and ProDOS are registered trademarks of Apple Computer, Inc. MS-DOS is a registered trademark of Microsoft, Inc. DOS Mounter is a registered trademark of Dayna Communication, Inc. All other product names are trademarks or registered trademarks of their respective holders.

Fastback II is in no way associated with or has origination in Fisher Scientific or Allied Corporation.

BOMBER by Inline NOW SHIPPING !!

MacWorld, Boston, MA, August 9, 1989—Inline Design today released BOMBER an astonishing new game for the Macintosh. BOMBER was written by Rene Vidmer of Deadly Games, Ltd., and is the first release from Inline Design.

BOMBER is not a flight simulator. Rather, it is an intensely realistic action adventure recreating the sights, sounds and harrowing experiences of the young B-17 crews in the skies over Hitler's Europe. Like those crews, you must complete 25 successful missions to get rotated back to the States.

You will be assigned a mission target, route and altitude. You decide how much fuel, how many bombs, whether to carry wing racks, etc. You carry a standard B-17 crew and all gun positions are manned. You will encounter flak, fighters, bad weather and a chatty crew.

While BOMBER is written in HyperTalk, it has the appearance of a stand alone application. Scrolling graphics, simultaneous action and uninterrupted sound all help create a fluidity to BOMBER rare in HyperCard.

BOMBER is shipping with a pair of headphones specially made for the Macintosh. Not only do they add cockpit-like realism to the over 100 digitized sounds and voices, but when you hear the Top Turret Gunner yelling, "Enemy fighters! Nine o'clock high!" and your Co-Pilot telling you, "We've just lost the number 4 engine" and your Bombardier informing you that you've got "Thirty seconds to target" all at the same time, you better hear it right.

BOMBER runs on the Macintosh Plus, SE, SE/30, II, IIx and IIcx, but is optimized to run on the faster machines. HyperCard version 1.2.1 or later is required. The suggested retail price is $39.95.

Rene Vidmer is a well known New York based designer and writer. What is not well known is that he was a founding partner of SPI, publishers of over 200 simulation board games in the early Eighties. Mr. Vidmer was also publisher of Strategy & Tactics Magazine. BOMBER is his second game for the Macintosh.

Deadly Games, Ltd, is a small group of designers and writers. They are consultants to industry on computer graphics and user interfaces. The group also creates games.

Inline Design is a developer and publisher of software for the Macintosh. BOMBER is Inline Design's first release. Founded in 1988 by Darryl Peck, Inline Design is headquartered in New York City.

Contact: Darryl Peck, President
Inline Design
70 West 95th Street, Dept. 26F
New York, NY 10025
(212) 222-4837

Continued on Next Page

New Products Continued

THE MOUSE LOSES ITS TAIL!

Tucson, AZ. Practical Solutions, Inc announces The Cordless Mouse, a new innovation in input control. Compatible with all Macintosh and AppleIIGS computers, The Cordless Mouse utilizes the latest in infra-red signal transmission technology to give all mouse users long-awaited freedom. It can be operated from up to five feet away from its base receiver, eliminating those old cable tangles, while providing faster and smoother mouse movement. According to company president Mark Sloatman, this new mouse will advance the state-of-the-art for all input devices.

The Cordless Mouse features a sleek, lightweight, contoured design allowing ease of use for both right- and left-handed operators. Using an 8 bit, 12 MHz CMOS CPU, The Cordless Mouse provides a high resolution of over 200 cpi and a tracking speed of up to 600 mm/sec. The Cordless Mouse also has an automatic shutoff to extend battery life (two "AAA" batteries required). No special gridplate or mousepad is necessary.

The Cordless Mouse has a scheduled release date of October 20, 1989 with a suggested retail of only $149.95. It comes with a one year limited warranty and unlimited technical support. Early response indicates an overwhelming demand, especially for those with big screen monitors. Sloatman says "Once you've used our mouse you'll never want to use any other. Our mouse is the quickest, smoothest mouse available today."

Practical Solutions, Inc. manufactures and distributes innovative products for the computer industry.

Macintosh and Apple IIgs are trademarks of Apple Computer, Inc. The Cordless Mouse is a trademark of Practical Solutions, Inc.

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PRINTER RIBBONS

by Richard Leighton

SNAFUg has reinked ribbons for sale at the price of $1 with the exchange of your old ribbon and $2 without any exchange. At the present time the club has the capability of reinking only one type of ribbon. This ribbon is the ribbon usually associated with the Imagewriter. It can however, be used on an assortment of printers.
The list of printers is as follows:

MAKE	MODEL
Apple	DMP, Imagewriter I, Imagewriter II
AT&T	470, 471, 473, 474, 475, 476
C.ITOH	Prowriter I and II, 1550, 1550B, 1550S, 1550SC, 7500, 8510, 8510A, 8510B, 8510S, 8510SC, 9500
COMMODORE	SUPER PET 9000
Digital	LA50
NCR	11-50/8510, 6411/80, 7182, 7700 series
NEC	PC8023A, PC8023B-C, PC8023BE-C, PC8023BE-N PC8024, 8025, 8027, Astra 2080,
Personal Computer	
NEWBURY	1550, 8510A
QUANTUM	2000
SONY	SMI 7020UB
TEC	TEKELEC 8500-1550
TELEX	181, 182, 281, 281B, 281D
TOSHIBA	P1010, P1150, PA725IE, PH7852E
VICTOR	System 9000

Special Interest Groups Starting Up Soon!!!!

by Dawn Wilson

The Special Interest Groups (SIGs) will be starting up soon. Well, now that the summer is almost over and people are winding down from vacations, the SIGs will be starting up again. If you have a particular software program that you would like to learn, or if there is a software program that you are familiar with and you would be willing to teach other SNAFUg members, please let Ron Anderson know. Ron is the new SIG Director and he is really excited about getting the SIGs going again. Ideas so far include a game SIG, a one time only SIG dealing with Apples Only BBS taught by sysop Dennis McKwan. A schedual of the SIGs will be in the newsletter as the information becomes available. Ron's phone number is 878-6788.

THE APPLES ONLY BBS

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Classified Ads

1 used supra 2400 external modem. 4 months old looking for $100 obo.

1 personal modem 1200 $85 obo.

For sale by: Larry O'Connor number 81 on the Apples Only BBS or call 815-338-8513

Apple IIGS with all the goodies

For sale by: Ron Anderson number 63 on the Apples Only BBS or call 878-6788

Apple IIGS memory expansion card. It's Apple's version of a 1 meg board loaded Make me an offer

Applied Ingenuity "Apple Juice Plus" Ram Board.
This board has two megs of 80 NS Ram installed and is guarenteed for five years.
$370.00 FIRM
For sale by: Dennis McKowan number 1 on Apples Only BBS

ATTENTION APPLE IIGS USERS

*** PRESS RELEASE ***

This is an official press release from Micro Revelations, Incorporated for their new product entitled Xenocide, a science fiction arcade game that runs on the Apple IIgs computer.

In Xenocide, an alien race has taken over research outpost on three moons orbiting the planet Talos IV. There have been no recent communications from any of these three outpost and it is feared that no humans are left alive. In order to insure that the alien race does not spread you are instructed to destroy the three moons. To accomplish this, however, you must travel across the surface of the moons to collect what ammunition remains from the former colonists. With any luck you will find the entrance to the inside of the moon and be able to enter the underground caverns. From there you will need to collect miscellaneous items that will help you complete your mission. When you are prepared you will enter the Bio-Labs, once the top secret research centers for the colonists, and attempt to destroy the aliens that have taken control. You must reach all of the labs in each moon and destroy them before it is too late!

Xenocide is programmed in 100% assembly language utilizing the full graphics and sound capabilities of the Apple IIgs computer (this was not simply a port over from another machine!). It contains digitzed sound effects and takes advantage of an optional stereo card. It can also be played with a joystick or keyboard, but it is recommended that you use a joystick. Xenocide can also be installed on a hard drive and will take advantage of 1 megabyte machines but only requires 512k.

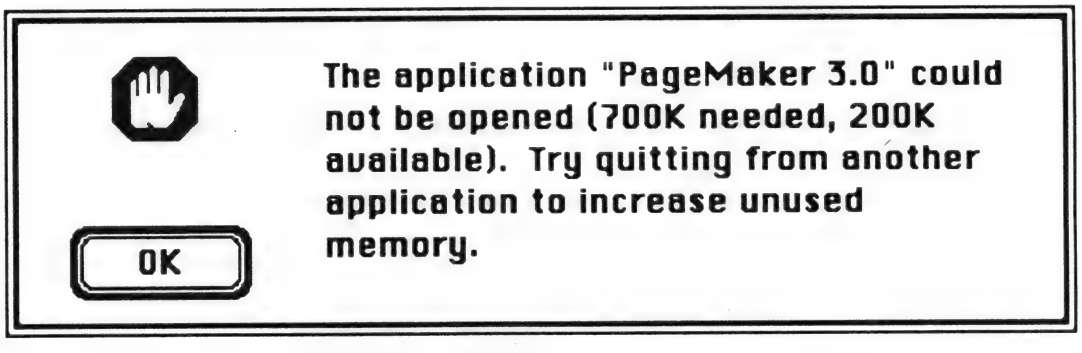
Xenocide requires that your computer is equipped with following:

512k ram
Apple 3.5 drive
Apple mouse
Joystick optional but recommended
RGB color monitor recommended

For further inquiries about XENOCIDE please contact us at:

Micro Revelations, Inc.
P.O. Box 70430
Reno, Nevada 89570
Toll Free: 1-(800) 442-6002

Looks Familiar?


The application "PageMaker 3.0" could not be opened (700K needed, 200K available). Try quitting from another application to increase unused memory.
OK

With today's sophisticated, memory hungry programs, you need all the memory you can get. For example, Multifinder® is almost useless with any less than 2 megabytes of RAM. And don't think that you have to mortgage your home just to get extra RAM for your Macintosh® computer -- times are a changin'! In fact, you're sure to be pleasantly surprised with the prices of our SIMMs. So, go ahead and feed your Mac until its heart's content.

Low profile 100ns SIMMs. 1 year warranty -- $150

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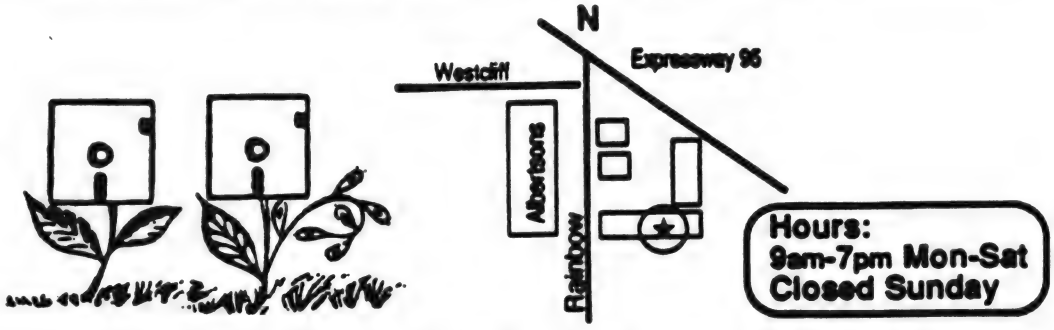
It's across the street from Albertsons
in the Rainbow Shopping Center behind Burger King & PriMerit Bank



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John P./Casper, Wyoming

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John H./Middlesex, England

"IT IS GREAT! I FIND NEW USES FOR THE GRIDS AND FORMS EACH DAY."
Don A./Bothell, Washington

"EXCELLENT AND VERY USEFUL."
Dr. Jean L./Mons, Belgium

"I THINK THAT IT IS REALLY GREAT-GRIDS+ IS JUST WHAT I NEEDED!"
Gordon W./New Hope, Pennsylvania

"I AM QUITE IMPRESSED."
Gerald P./Kurrajong, Australia

"GRIDS+ IS AS EASY TO USE AS MULTISCRIBE."
Tom S./Mesa, Colorado

"VERY IMPRESSIVE."
Edward S./Alberta, Canada

"EXCELLENT. GRIDS+ IS GREAT!"
Sheryl K./LaJolla, California

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Robert H./BC, Canada

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George G./Buffalo, New York

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Andrew T./Denver, Colorado

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Pauline K./Maywood, New Jersey

"GRIDS+ IS A VERY GOOD PROGRAM."
Thomas H./Anchorage, Alaska

"I LIKE IT! I SEEM TO BE ABLE TO GET IN TROUBLE WITH ALMOST EVERY NEW PROGRAM, BUT NOT SO WITH GRIDS+. I RATE IT EXCELLENT!"
William F./Amherst, Massachusetts

"THIS IS A GREAT & USEFUL IDEA."
Alan W./Milford, Hawaii

"PRETTY SHARP! IT DOES WHAT I WANT IT TO DO."
Jo W./Kremlin, Montana

"I WANT TO THANK YOU. YOU ARE PERFECT GENTLEMEN. I WOULDN'T HESITATE TO RECOMMEND YOUR COMPANY TO ANYONE. THANK YOU ONCE AGAIN!"
Josh R./Boca Raton, Florida

"GREAT. YOU INCLUDED MORE THAN I EXPECTED."
John S./Hempstead, Texas

"VERY USEFUL. GRIDS+ SAVES BUYING OFFICE SUPPLIES."
Curtis S./Quarts, Illinois

"I AM VERY PLEASED WITH THE MANY DIFFERENT TYPES OF GRAPHICS IN THE PROGRAM."
Vic L./Alma, Michigan

"OUTSTANDING! I NOW HAVE FORMS FOR MOST NEEDS AT A FINGERTIP."
Roger P./Jacksonville, Florida

"I LIKE GRIDS+ VERY MUCH. IT SAVES ME FROM BUYING A PAD OF GRAPH PAPER WHEN I ONLY NEED TWO SHEETS. THANKS FOR THE EXTRA HELP!"
Kathy H./San Diego, California

"EXCELLENT. A MUCH NEEDED PROGRAM."
Stanley G./Springfield, Massachusetts

"EXCELLENT AND VERY CONVENIENT."
Bruce S./Glen Cove, New York

"GRIDS+ IS EXCELLENT."
Richard B./Pasadena, California

"GRIDS+ IS A GREAT PROGRAM. IT REALLY HELPS US KEEP TRACK OF OUR STUDIO."
Chris Z./Malden, Massachusetts

"GOOD IDEA. GOOD PRODUCT!"
Ron S./Toronto, Canada

"GRIDS+ IS PERFECT!"
Zuhairy R./Jeddah, Saudi Arabia

"IT'S GREAT. I'VE BEEN WANTING THIS FOR YEARS."
Carolyn F./Aptos City, California

"IT'S REALLY GREAT! I'M DEFINITELY PLEASED."
Phyllis A./American Embassy, Moscow

"EXCELLENT. THE POTENTIAL USES ARE UNLIMITED!"
Glyn H./APO, New York

"OUTSTANDING. IT'S NICE TO SEE THESE KINDS OF ACCESSORIES FOR PROGRAMS OTHER THAN APPLEWORKS!"
Richard B./Miami, Florida

"EXCELLENT! WORKS GREAT. THANKS AGAIN!"
Ray S./Northport, New York

"GRIDS+ IS GREAT!"
Paul K./Waynesboro, Virginia

"GRIDS+ IS GREAT. IT DOES EXACTLY WHAT IT WAS ADVERTISED TO DO, AND IT DOES IT SO EASILY!"
Roslyn P./Seattle, Washington

"GREAT. IT WILL FILL A LOT OF MY NEEDS AS A TEACHER."
Larry S./San Diego, California

"GRIDS+ IS TERRIFIC!"
Robert M./Yorba Linda, California

"YOU HAVE A SUPER PRODUCT."
Major Peter S./APO, New York

In this case, the fine print outlines some of the replies that we have received from GRIDS+ users. GRIDS+ is the first in a series of graphic portfolios from APPLAUSE! that have been designed to expand the use of your MULTISCRIBE and APPLEWORKS GS programs. You can use GRIDS+ as a resource to print dozens of grids, lists, paper, sheet music, accounting forms, calendars, schedules and quadrille graph paper. In all, GRIDS+ contains over 75 different designs that will spare you countless trips to office or art supply stores. You'll use GRIDS+ every day, whether you're being creative, working on your finances, or just trying to get organized. If you own MULTISCRIBE or APPLEWORKS GS, we think you'll love GRIDS+!

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Chally Responds to Draper of EDUCORP

Chally Micro Solutions

MacNET, GEnie, MCIMail: "CHALLY"

P.O. Box 4600

AppleBus BBS: 818-919-5459 West Covina, CA 91791

This is a rebuttal to the response by Mr. E. Draper, who represents himself as EDUCORP's "librarian," to my June 23rd letter entitled "Is EDUCORP stealing from software developers?" His response was uploaded to the GEnie Macintosh section's download and posted in the shareware category of GEnie's Macintosh bulletin board..

Attorneys have advised that even if everything an individual states is true, a company can always bring suit on another regardless of the case's merit, merely to intimidate the opponent. Without accusing EDUCORP of this, I am nevertheless attempting to curtail my remarks to lessen the likelihood that it will occur. I ask the reader to therefore understand the DEFENSIVE nature of this letter. I don't wish to be accused of an attack—such as I was for the last letter.

I also wish to inform the reader that I have NOTHING TO PERSONALLY GAIN from my statements about the relationship between EDUCORP and me. My purpose is to recount my experiences, since others have something to gain by reading it. They can prepare for a similar confrontation by reading these letters. Positively, a fundamental change in the behavior of companies that distribute public domain and shareware software, could result.

I apologize for the length of this letter. I feel I have been called a liar. Here you will find a valid response to every claim that I have lied or been unreasonable.

Attorneys have indicated that I have ample evidence to win substantial damages for willful copyright infringement occurring AFTER the infringing party had been notified. While, I do not have the large sums of money required for legal action, I do however, reserve the right to bring suit in the future. Anyone who is or knows of an attorney wishing to consider trying my case on a contingency basis is welcomed to contact me for an interview.

Following is a list of responses to Mr. Draper's attack on my position:

I am glad Mr. Draper is aware that the above title was a QUESTION. He accuses me of calling EDUCORP "a thief and an extortionist." The letter's title was clearly a question, followed by a list of grievances. The reader was left to decide the integrity and purposes of the parties involved.

> ...why in the world would we undermine them?

There is apparently enough money in selling shareware to keep a company in business and printing hefty catalogs. When individuals don't have the resources to defend their product, it seems easy to undermine them and to continue distributing their products, such as mine.

> WE DO NOT SELL PD/SHAREWARE SOFTWARE. > WE CHARGE A SERVICE FEE FOR ITS DISTRIBUTION.

In my opinion, that is a technical "copout" that may or may not be legally defensible. To me, it's the same thing. Even if it does not constitute a sale, it still constitutes illegal distribution in my case. As copyright holder of HexFlags, I ALONE reserve the right to determine under what conditions it may be distributed!

> We tag every Shareware program that appears in our catalogs with a > special Shareware identifier.

Mine was not tagged as such. Even in catalogs I received after EDUCORP was forbidden to distribute the product, it was not—though I informed you of this fact in our initial telephone conversation and in two of several letters I sent.

> We offer a FREE disk of software to any customer who sends us a > receipt that he or she has paid his or her Shareware fee.

Continued on Next Page

Chally Responds

Continued

This claim (or a similar one) was made in our initial telephone discussion. In my first letter to you I noted that I could not FIND any such offer in your catalog. I received no response to this observation.

> Just Like GEnie, Compuserve, Budget Bytes, and others. [sic]

I assume you are implying that you provide a service similar to those above. I strongly disagree, which is one reason I do not want my product associated with your company.

To my knowledge, GEnie, Compuserve, and other electronic services do not employ individuals whose job is to collect software that they might in turn redistribute. None of these services (to my knowledge) charges a fee for each product or disk, but merely for time spent using their service. They don't stipulate what a user does with his time or what he downloads. A user may choose a single file or several—very often uploaded by the author himself!

User groups such as BMUG, which (I assume) do not make a profit, do not charge SEVEN DOLLARS per disk. The local user group I served cheerfully allowed FREE access to everything in its library, while allowing people to purchase preconfigured disks for little more than the cost of the media. I am told this practice is common.

I don't know where each user group gets its software, but I doubt it's from you. I suspect they get most of it from electronic services such as GEnie, which I suspect you do as well. It is, however, apparently against GEnie's licensing requirements for YOU to download from GEnie for PROFITABLE REDISTRIBUTION.

If you wish to argue that purchasing your disks is cheaper than downloading—I argue that public service users have access to exactly what they wish to download, are forced to download nothing more, and that the selections from which they may choose to download are almost always the most current available.

I don't NEED to justify the reason I don't want you to distribute HexFlags, but my PERSONAL experience from purchasing your "BEST OF DA's" set is that most of the software (including the version of HexFlags illegally enclosed after I expressly forbade you to distribute it) was out of date. There was a notice "Copyright 1988 EDUCORP" on the disk I purchased in June, 1989. I assume the disk was assembled at least six months prior to shipment! In addition, this copyright notice made me wonder if you intended to fraudulently claim a copyright on MY previously copyrighted work.

> HexFlags contained no such message. Mr. Chally later agreed that > none was included at that time.

This is untrue. When Vahe Guzel admitted not asking permission to distribute HexFlags then indicated that he did not think I was discriminating in the distribution of my product, I gracefully admitted that the distribution wording WAS WEAK. My response was:

"...was NOT accompanied by documentation containing STRICT wording

found with later versions. I agree that it did not EXPRESSLY

forbid distribution of the software with a distribution charge, but

I maintain that I clearly retained all rights to the software, both

in the documentation and in the 'About...' box."

The original wording had been:

"Copyright 1988, Chally Micro Solutions. This work may be distributed freely, provided that the desk accessory and this documentation are always distributed together, in whole and unchanged."

Notice that even then it specified that HexFlags should be distributed FREELY. Having realized BEFORE ANY DEALINGS WITH EDUCORP OR ANYONE ELSE that this wording could be unclear, I had changed the wording to:

"Copyright 1989, Chally Micro Solutions. This work may be distributed at no charge, provided that the desk accessory and this documentation are always distributed together, in whole and unchanged. Anyone wishing to distribute it along with any commercial software or include it in any public domain or shareware library may do so only with the express written consent of Chally Micro Solutions."

> HexFlags was submitted to us as "WhoCaresWare."

> I didn't flag HexFlags as shareware in the first catalog in which > it appeared because of this classification. This was possibly a > mistake.

> Perhaps it wasn't WhoCaresWare after all. After being sent the latest > version of HexFlags, I decided to publish it again with the proper > shareware designator and a better description.

> I saw no mention of these restrictions in any accompany [sic] > documentation or letter.

You bet it was a mistake. I never implied that "WhoCaresWare" means I don't care if you sell it. In fact, I elaborated in the documentation that it meant I'm not one of the shareware authors who will resent users for not paying. I have no delusions about shareware's profitability, but I DID copyright it, and I DID sug-

continued on next page

Chally Responds

Continued

gest contributions. I think that's shareware—even labelled by another (clearly similar) term. There are countless precedents for this practice.

Again, my letters gave you no permission to distribute it, and future catalogs *I* received did not indicate that it was shareware (readers may check for themselves). Indeed, I deliberately made every effort to spell this out:

"Though this letter is not meant to imply express written permission

to include HexFlags in your catalog, enclosed is the latest release

version of HexFlags and another utility called Flipper FKEY, exactly

as they were uploaded (previous to my discovery of your organization)

to MacNET, GEnie, and public BBS systems. You will find that their

notices are QUITE SPECIFIC in the requirement of express written

approval for distribution connected with any charge whatsoever..."

Though I now regret this attempt to show my sincerity, it was obviously meant to show that I had changed the distribution message before dealing with EDUCORP—NOT to invite its distribution. Any other suggestion is ludicrous! The distribution notice in the version I enclosed was the one you see immediately above, and clearly disallowed distribution without my express written permission, which I deliberately had STILL not given you.

> I thought the best way to serve Mr. Chally was to rectify my mistakes and > republish it with the shareware designator in order.

Yet I have NEVER seen it next to HexFlags in ONE of your catalogs. Not just in the catalogs BEFORE I forbade distribution, but even in those AFTER!

> We really don't know what we could possibly do to make Mr. Chally > happy. Every attempt on our part has failed.

Surely you jest! I HAVE LUCID MEMORIES OF DEMANDING THAT YOU REMOVE HEXFLAGS FROM YOUR CATALOG. You have made every attempt, it seems, except discontinuing the illegal distribution of my copyrighted product. Since you claimed that it was removed before, I have no reason (other than your public embarrassment) to believe that it has been removed by now.

>Mr. Chally's posting was a threat carried out.

I'm sorry you feel that way. Toward the end of a LONG CHAIN of letters to EDUCORP, I indicated that other developers should know of my troubles and that I would inform them. If you wish to view this a threat, this is your opinion. I did not state "If you do that, I'll do this." That, sir, is a threat.

I did however receive a letter that DID contain a threat ("If you do that, I'll do this."):

"...if you slander EDUCORP, or me personally to others by phone, mail

or electronic services such as MacNet or FidoNet, we will take legal

action for defamation and trade libel."

THIS sir, on the contrary, appears to be a threat that was carried out!

> I sincerely believe that his posting was not editorial in nature, but > rather a malicious attempt to undermine our credibility. We have > removed his programs from our collection long ago...

There was no malice in that letter—only facts, which apparently caught your attention after a plethora of letters didn't. The intent of the letter (which I believe it states) was to inform the public of the relationships between our companies. FURTHER, IT WAS A RESPONSE TO YOUR SALE OF HEXFLAGS AFTER YOU CLAIMED TO HAVE REMOVED IT FROM YOUR LIBRARY.

I in turn believe that your letter was an attempt to discredit ME. I think the reader can judge from this response, and from THE COMPLAINTS OF OTHERS BESIDES ME, whose view is more sincere. Why would I claim you are mistreating me if you had removed your product from the catalog? Why would attorneys who have read our correspondence and seen my evidence indicate that I have a valid case meriting the award of extensive damages?

Let me reiterate that I have no MOTIVE for malice—especially if you "have made every effort to make me happy." The fact is that you have not. It dismays me that it may require this sort of action to cause removal of a single software product from your catalog.

> When someone calls you a thief and an extortionist publicly, there > are bound to be legal ramifications.

You will find neither the term "thief" nor "extortionist" in that letter. I resent the implication that I have called you either. If the preponderance of the evidence hurts your reputation, you are advised to quit supplying damaging evidence.

Mark Chally

USER GROUP
CONNECTION

"AppleWorks" Tips

Getting Started with "Timeout"

by Warren Williams

from: "AppleWorks" Forum, Feb. 1988, vol III, #2

(National "AppleWorks" Users Group)

"Timeout" programs from Beagle Bros. are excellent "AppleWorks" add-ons. These programs let you check the spelling, complete various disk operations, put a calculator on the screen, address envelopes, develop macro functions (this one is not for beginners), draw graphs, or maintain an appointment calendar without ever leaving "AppleWorks".

Design of "Timeout"

There are two components to the "Timeout" programs. First, there is the "Timeout" module itself. This program manages the operation of the "Timeout" series. Although the "Timeout" module comes on every "Timeout" disk, you should install this program only once into the "AppleWorks" Startup Disk used to boot the program.

The second component is the Application. Every "Timeout" disk you buy contains one or more applications. The "Timeout" Spelling Checker and the "Timeout" Envelope Addresser are two applications.

Each "Timeout" application is stored as a separate file on the original "Timeout" disk. For example, the calculator on the DeskTools disk is in a file named TO.CALCULATOR. Files which are "Timeout" applications have names starting with the letters "TO.".

The applications files are stored on a seperate disk until you load them.

Basic Tools

Assuming you have an Apple IIe or IIc with 128K or RAM and two 5.25-inch disk drives.and that you know about the system utility that came with your computer you will need the following:

1. The current version of each "Timeout" application to be added into "AppleWorks".

2. Your working copy of the "AppleWorks" 2.0 Startup Disk (the "Timeout" series is only compatible with version 2.0 of "AppleWorks").

3. Blank formatted disks.

Getting Started

1. Use "Copy II+" or the system utility to make a working copy of each "Timeout" program disk. Some "Timeout" programs (e.g., QuickSpell), come on both sides of the disk; make certain you copy both. Put the originals away and work with the copies.

2. Make a duplicate of your "AppleWorks" Startup Disk. Put the original away for safekeeping.

3. Use "Copy II+" or your system utility to format two blank disks in ProDOS. Name these volumes /APPLICATIONS. You will probably use only one of these disks, but format two just in case.

Install the "Timeout" Module

1. Boot the computer with the copy for any one of the "Timeout" programs in Drive One.

2. The "Timeout" Installation Menu appears on the display. If it shows "Version 1.2" or greater, go ahead. If the version number is lower than 1.2, return the original disk to ""Timeout Updates", Beagle Bros, 6215 Ferris Square, Suite 100, San Diego, CA 92121. Beagle Bros will foward a free update. Earlier versions of the program lack vital features; don't use it.

3. Select "#2, Read Notes" from the main menu. This file contains recent information not appearing in the manual. This is the first page of multiple page documentation. Press the Right-Arrow key to look at subsequent pages. When done, use Escape.to return to the main menu.

Continued on Next Page

Timeout Continued

4. Select choice "#1, Update AppleWorks" from the "Timeout" Installation Menu.

5. "Timeout" will prompt to display applications in alphabetical order or in the order stored them on the applications disk. Select either choice.

6. "Timeout" prompts for use of one or more Applications disks. If you use more than two different "Timeout" programs, say "Yes". If you plan to use only one or two "Timeout" programs, say "No". When in doubt, say "Yes".

7. Specify where to locate the "Timeout" applications. Select choice "#2, Slot and Drive". Indicate that the disk slot is slot "#6" and disk drive "#2".

8. Place the duplicate copy of the "AppleWorks" Startup Disk in Drive Two.

9. Indicate that the Startup Disk is slot "#6", amd disk drive "#2".

10. "Timeout" will install itself on the "AppleWorks" Startup Disk. Press any key to start.

Once the "Timeout" program is installed, copy the "Timeout" applications on one or two disks. This will make it convenient to run " all the modules from one place.

1. When the installation in step 10 is finished, "Timeout" shows a new menu. Remove the "AppleWorks" Startup disk from Drive Two and select "#2, Copy Files to 'Timeout' Application Disk".

2. Specify the location of the "Timeout" applications disk.and you have dual disk drives.

3. Place a blank formatted disk called /APPLICATIONS in Drive Two and press any key. The program will copy all the "Timeout" applications programs from the "Timeout" program disk onto the Applications Disk.

4. Repeat this process as necessary until all "Timeout" programs are on a single Applications disk. If they do not fit on a single disk, insert a second Applications disk and continue.

Use "Timeout"

Now that "Timeout" is installed on the "AppleWorks" disk and the Applications disk has been created to store "Timeout" modules, an enhanced version of "AppleWorks".is ready. Follow these steps:

1. Put the "AppleWorks" Startup disk in Drive One and the "Timeout" Applications disk in Drive Two.

2. Boot "AppleWorks".

3. Replace the "AppleWorks" Startup disk to run "AppleWorks" as directed.

4. If "Timeout" prompts with "Read another 'Timeout' application disk?", respond accordingly.

5. Replace the "Timeout" Applications disk in Drive Two with the "AppleWorks" data disk.

6. Indicate "Add Files to the Desktop" and select files from the disk in Drive Two.

7. Replace the data disk in Drive Two with the "Timeout" Applications disk. Now the desktop files work as usual with "AppleWorks". "Timeout" runs in the background.

8. When a "Timeout" application is needed, be certain the Applications disk is in Drive Two. Use the the Open-Apple Escape Key to bring up "Timeout" Menu. Select the "Timeout" option from the menu.

Some "Timeout" programs like QuickSpell run easily by following the menus. Others, like UltraMacros are complex enough to require the manual.

9. Remember to replace the "Timeout" Applications disk with the AppleWorks data disk before saving with the Apple-S key.

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Apple Talk

What Price Glory?

By Charles Blitzstein

One may wonder what Apple's marketing strategy is lately. With the introduction of the Macintosh II, Apple had produced a superior machine, quickly capturing the computer publics attention. Nary a year later came the Mac IIx, much to the chagrin of those who had purchased the Mac II. As different as the Mac II was to the SE, so the IIx was from the II. An FDHD Drive (affectionately known as the fud-hud drive) with it's 1.44 meg capacity, a 68030 processor, and a 68882 math co-processor. Speed increased dramatically. Those with Mac II's pondered the wisdom of their choice, as well as any upgrade price that the techno-junkies may incur from Apple to bring them to the present.

So you swallow the bitter pill of upgrading, the money for the IIx motherboard upgrade and the money for the FDHD drive upgrade. Now you have the IIx, the most powerful of the Macintosh's. So far.

Before the next year passes, Apple introduces the Mac SE/30, essentially a IIx in SE's clothing. True, it does not have many slots (even the one it has is different from the Mac II and the SE slots), but maybe you need the speed and power of a IIx but also the portability of the SE. Decision time again! Sell your Mac IIx (converted or pristine) and purchase an SE/30, settle for non-portability, or invest in a second machine. Hmmm!

Now that you've made your agonizing decision, again Apple comes along in less than a year and introduces another model, the IIcx. Hybrid or new machine? From all appearances, the IIcx is nothing more than a IIx with a smaller profile, achieved by better design (something that should have been done in the first place) and the elimination of a couple slots. Ahhh, you may be able to recapture some of that lost desk space that your IIx, II, or SE/30 with external color monitor has. Maybe not. If you need more than two slots (remember, the video card requires one slot) your out of luck. Those who recently bought Mac II's can only grin and bear it, that they missed out on the power of a IIx for about the same cost as a Mac II. Reading Material on Disk

One company I have had the pleasure of corresponding with recently is Softdisk Publishing. They publish a unique form of computer magazine, on disk! The Apple version is called Softdisk, Mac version is Diskworld, and other disks for MS-DOS and Commodore are available. Each disk has a variety of programs, clip art, Print Shop graphics, and articles ranging from reviews to programing tips. For the novice, these disks provide a valued source of information while giving the more advanced user programs and reviews that are equally helpful. The main disadvantage of this form of magazine is that it doesn't lend itself to reading in the most popular reading spot in the house, unless Apple comes out with a line of portables. If you have never seen a copy of either magazine, check it out. They are available via subscription or at many computer and bookstores. For information, contact

Softdisk Publishing

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Shreveport, LA 71130-0008

(800) 831-2694 Rumors, Rumors

One thing that this industry thrives on is rumors. True, we all want our next machine to be able to handle complex graphics quickly, run Desktop Publishing programs easily, all while up/downloading a file and cooking lunch.

The major rumor of the second quarter was that Apple was going to introduce the Apple IIgs+, a faster version of the best, yet crippled, product in the Apple//line. Imagine, all those things that you wanted in your Apple IIgs. Speed, faster disk access, the ability to read/write foreign formats, faster display of graphics, and more. The machine you wanted was going to be released at the next AppleFest.

AppleFest came and went and all that was announced was the new GS/OS operating system. Yes, it will satisfy some of our desires, but GS/OS 5.0 falls far short of our expectations. Announcing a new operating system instead of a new machine was like being served Jello when you were expecting a souffle. It'll have to do for now. On the Horizon

One thing that you can be sure of is that Apple is very tight lipped about it's new products. Sometimes this is justifiable, sometimes it's not. If a rumor surfaces that is credible, perhaps more interest in it would be generated by confirming it. As it stands now, I pay very little attention to anything that the press or Apple says with regards to anything that is not currently marketed (this, by the way includes System 7.0 for the Mac and GS/OS). Like the phrase goes, I'm from Missouri, you just have to show me. Well, all I can say is that I enjoy my Apple machines, an Apple IIgs and a Mac SE. I hope to continue to enjoy them and improve them as the machines are upgraded. I have no problem purchasing moderately priced upgrades if they materialize and significantly improve my computing abilities. Please contact me via Email on Genie (Mailing address A2.BLITZ) if you've got some Apple information you'd like to

USER GROUP

CONNECTION

APPLELINK OBSERVATIONS

by Tony Pizza

Applelink is an information service similar to Compuserve, or Genie, except it is specific for Apples and Macs. Special terminal programs with a unique interactive graphic interface are provided. It is so Apple specific that it doesn't support many common systems, such as mine. Mine is a IIe, enhanced, Grappler + / Star 10x parallel printer, Super serial card / Hayes compatible 2400 baud modem, 512K Checkmate type aux slot expansion card. Here's the problems I had:

1) Would not boot up with the 512K card installed, until someone on Compuserve with the same problem figured out a patch.* 2) Does not recognize my printer. Customer support said that it only supports Imagewriters; the Applelink manual said nothing about this. 3) Initially I logged on with a 300 baud Micromodem //e. Then I changed to serial card and external 2400 baud modem. I couldn't connect, although I could with many BBSs, Compuserve, and Genie. I had to rewire the cable from serial card to modem to get it to work.**

I spent most of my free connect time trying to figure out problem #3, to no avail. I wrote a letter describing all the problems to Steve Case, a VP with Quantum, on Jan 1. I hadn't received an answer as of mid-March.

I found another irritation with the ACU program, a special Apple compression utility. It consists of multiple files which must be downloaded, which differ for GS and //c,e models. This could have been provided on the disks. Or, Apple could have used the popular BLU program that has been the standard of Apple II compression/packing for almost two years, instead of "re-inventing the wheel".

* The patch consisted of replacing a STA $C07E instruction at $25F6,7,8 with NOPs (EA) in the ALINK.SYSTEM file. (The author wished to remain anonymous.)

** I used a cable configuration described by Jim Ferr for use with his freeware BBS, WARP6.

SSC (25 pin cable end) Modem end
1 GND.....1 GND Frame Ground (optional)
2 TXD.....2 TXD Transmit data (SSC to modem)
3 RXD.....3 RXD Receive data (modem to SSC)
6 DSR.....8 DCD Data carrier detect (from remote)
7 SGND.....7 SGND Signal ground
20 DTR.....20 DTR data terminal ready (SSC to modem)

The above cable can be made with common DB25 male connectors to connect to the 25 pin female connectors. A cable can also be made to go from the 10 pin connector on the SSC itself to a DB25 male connector, if you can get the 10 pin ribbon cable connector.

10 Pin on SSC DB25 male, to modem
1 GND.....1 GND
2 TXD.....2 TXD
3 RXD.....3 RXD
6 DSR.....8 DCD
8 SGND.....7 SGND
9 DTR.....20 DTR

Subdirectories and AppleWorks

From AppleWorks Journal Vol. 1, No. 7

While it's not always easy, it is always possible to access and store files to and from subdirectories with AppleWorks. AppleWorks is perfectly capable of finding files located in subdirectories, creating subdirectories, and storing files in subdirectories.

Just what is a directory? A directory is a place where files are stored on a disk. A subdirectory is a directory within another directory. Files appear in the subdirectory. You can have subdirectories within subdirectories, within more subdirectories - giving your disks several "levels" or "groupings" of files.

There are at least two reasons for wanting to use subdirectories with AppleWorks. One is that ProDOS allows only 51 files in the main directory. If you exceed this amount, you have to start using other disks or subdirectories. The other reason is to organize your files into groups. Files contained in separate subdirectories are almost like files contained on separate disks.

You might want to keep programs in one subdirectory and data files in another...or word processor files in different subdirectories than database files.

If you use the Apple IIgs Finder, files that you place inside "folders" are actually inside subdirectories - the folders are subdirectories.

To create a subdirectory using AppleWorks, select option 5 from the main menu. Next, use option 3: Create a subdirectory. When you choose this option, AppleWorks asks for the subdirectories complete pathname. This is the name of the disk and the name of the subdirectory.

For example, suppose you want a subdirectory named "Letters" on your disk named "Data." The pathname of the subdirectory is: /Data/Letters

Suppose you want to create another couple of subdirectories inside the Letters subdirectory. First, you have to create the Letters subdirectory, then you can create the next one (we'll call it "Sales.Ltrs") with this pathname: /Data/Letters/Sales.Ltrs

Upper and lower-case letters do not affect directory names. Now that you've created a subdirectory, you might want to store a file in it. There are two ways to do this. One way is to use the Save Desktop files to disk option on the main menu, select the desired file from the list, then choose option 2: First change to a different disk or directory.

Select the ProDOS directory option and specify the directory (as in /Data/Letters). Do not include the name of the file after the subdirectory name.

The second way to save a file to a subdirectory is to first change the current disk drive using option 5 from the main menu, then option 1: Change current disk drive or ProDOS prefix.. Choose option 5 and type the pathname of the subdirectory.

When finished, you will have set the default disk drive location to the name of the subdirectory you specified. This means that the next time you press Open Apple-S in the database, word processor or spreadsheet, AppleWorks will automatically save the file to the default location. The default location will remain on until you change it.

If your default location is a subdirectory, you will see its name in the upper right hand corner of the screen in the main menu.

If you ever load a file from a ProDOS directory, the directory you specify will replace the default location. Likewise, if your default location is a subdirectory and you load a file from a slot and drive location, the slot and drive specified will replace the default.

You can copy AppleWorks files from one directory into a subdirectory by first loading the file, then saving the file to the desired subdirectory using the appropriate pathname when saving, then deleting the original from the old location with the Other Activities option in the main menu.

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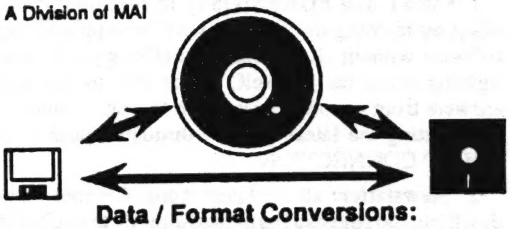

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NEXT MEETING - OCTOBER 14, 12:00 Noon
Sunrise Library 5400 Harris Ave.

SNAFUg
The Official Apple User Group for Las Vegas

Joining SNAFUg is **fun** and **educational**. Here are a few good reasons why you should join:

1. **FIRST and FOREMOST**...to save yourself lots of pain and effort by learning the "ins and outs" of Apple Computer hard- and software without all the trials and efforts you'd have to go through figuring it out for yourself. To be able to ask questions and get answers from people who've been through exactly the same thing! And getting the latest "scoop" through Apple Computer's USER GROUP CONNECTION!

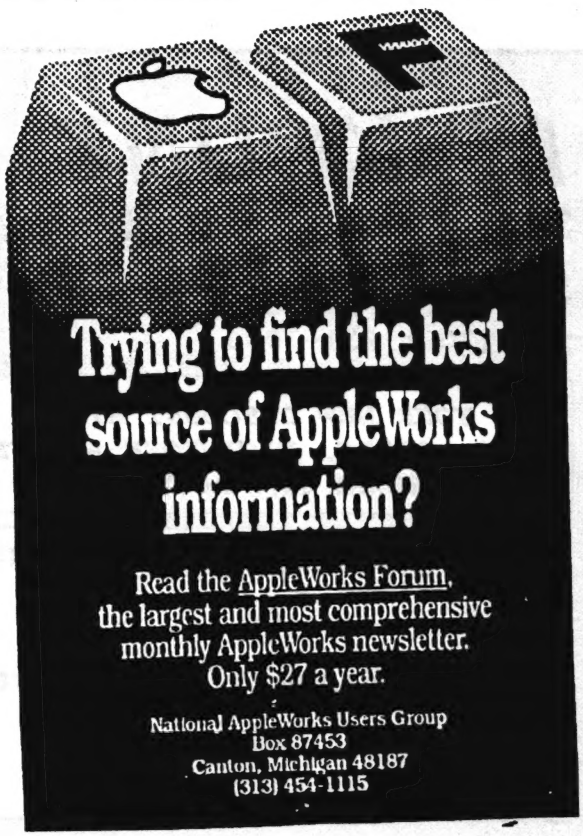
2. **Newsletter:** all the latest Apple Computer news, along with tips, hints and suggestions mailed directly to you before each month's meeting.

3. **Software:** access to hundreds of public domain programs to help you compute faster, easier, and efficiently.

4. **Group buying power:** in addition to discounts given by SNAFUg advertisers for software, supplies, and repairs, developers frequently offer special User Group discounts.

5. **Special Interest Groups:** joining other users to learn specific applications such as AppleWorks, Beginning Computing, Telecommunications, Macintosh Business and General Applications, and BASIC Programming.

6. **A Twenty-Four Hour "Help Line":** full access to the SNAFUg BBS (The Apples Only) via modem. Also includes a library of programs and informative text files.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